

## LAKE LEVELS, OCTOBER, 1912.

The following data are from the report of the United States Lake Survey:

	Lake Superior.	Lakes Michi- gan- Huron.	Lake Erie.	Lake Ontario.
	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>
Above tidewater at New York.....	602.59	580.50	572.12	246.17
Above or below:				
Stage of September, 1912.....	+ 0.06	- 0.17	- 0.36	- 0.21
Stage of October, 1911.....	+ 0.41	+ 0.92	+ 0.59	+ 1.55
Mean stage October last ten years.....	- 0.19	- 0.14	- 0.05	+ 0.30
Highest recorded stage.....	- 0.97	- 2.56	- 1.58	- 1.64
Lowest recorded stage.....	+ 1.01	+ 1.02	+ 1.32	+ 2.50
Probable change during November.....	- 0.20	- 0.30	- 0.30	- 0.30

## WATER POWER PROJECTS ON THE ESCANABA RIVER.

By V. E. JAKL, Observer.

Of the many water power possibilities in the Upper Peninsula of Michigan, one of the best examples is to be found on the Escanaba River, near Flat Rock, Mich.,

where the Escanaba Traction Co. has recently completed, at a cost of \$200,000, a power dam and pulp mill that have been under construction since the spring of 1911.

The completion of this project marks another step in the campaign of water power development on the Escanaba River that local capital has been pursuing during the past four years, and the success that has attended these undertakings is attested by the low cost of electric current now furnished to the municipal lighting and power systems of Escanaba and Gladstone, Mich.

There are two dams in operation, about a mile and a half apart, having heads of 20 feet and 32 feet, respectively, and developing a maximum horsepower estimated at 4,500. The power is converted principally into electric current, part of which is utilized by the traction company in the operation of its street and interurban railway systems; while surplus power is conducted, by direct mechanical connection, to the pulp mill.

Up to date \$320,000 has been expended on these projects, and in anticipation of a rapidly increasing demand for current present plans provide for the construction of another dam on a site a mile farther up the river.